



Hi All,

Welcome to *Robotics & Artificial Intelligence (AI)*! Please use the following link to access the class blog (<https://stem-roboticsandai.blogspot.com/>). This new blog will be used to post class-related information and project resources throughout the whole year. So, click the link now and bookmark the site. You are encouraged to visit the blog frequently and share any class-related news, questions or thoughts. To do that, you need to become one of the authors of the blog. Please fill out a resume form using the following link: <https://forms.gle/AbUH8dr19B6E9oqM6>. Once you submit the form, you will receive an invitation email to become the author of the blog. If you don't receive one, please check your spam folder.

Since this is a *STEM* elective, we are not only interested in *TALKING* about *Robotics & AI*, but also *DOING* projects about them. There will be two summer assignments addressing both aspects:

1. Your first assignment is to read a book, or watch a video/movie about *Robotics & AI*. I believe that you will be able to find resources online or from local library. Use the online form through the link (<https://forms.gle/LJERoJqx1eXgXe8z8>) to (1) take notes on what you have learned (ideas/facts), (2) record your questions, and (3) compare/evaluate the ideas/technology in the movie to the current real-world technology based on your understanding. Also, (4) write a short paragraph (< 300 words) of your reflection.
2. The second assignment is to learn a programming language by yourself. Two major programming languages will be used in this course: *C* and *Python*. Even though we will cover them in class next year, it will be extremely beneficial for you to get familiar with the programming concepts as early as possible, especially for those students who have never done any coding before. We are going to use *C* or *C-like* language to program robots and use *Python* to code artificial intelligence functions. Please refer to the blog posts for *C* (<https://stem-roboticsandai.blogspot.com/2019/06/c-programming-tutorials.html>) and *Python* (<https://stem-roboticsandai.blogspot.com/2019/06/python-programming-tutorials.html>) tutorials. You are free to choose any one or both languages. Please record the date & time, and the topics of tutorials you have watched using the Google Sheet from the following link:

https://docs.google.com/spreadsheets/d/1OoVuqIJ-OuX9bPxM_TpiXLMGZKRRRe3QgSpH96Sd1AdM/edit?usp=sharing

First, You have to make a copy (by clicking **File > Make a Copy**) of the Google Sheet, rename it as "*Study_Record_YourName*". You will fill in the progress you make each time you study, and share your Google with me (by clicking **Share** and entering my email address) at the end.

Please submit all the online form and sheet of summer assignments by 08/31/2019 (Saturday). If you have any question, please don't hesitate to email me at clin@erhsnyc.net.

Have a Great Summer!

Mr. Lin
STEM Teacher
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